INSERT UNIT AND SEA PORT ORIFICE PRESSURE TEST FOR GAS WELL

Type Test			Test Date
[X] Initial	[ ] Annual	[ ] Special	12-6-77

Company	Connection	
Aztec Oil & Gas Company	Southern Union Gathering	
Pool	**Formation**	**Unit**
Basin	Dakota	

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
11-26-77	7150'	6965'	5922' GR	Current

Csg. Size	Wt.	d	Set At	Perforations:	Well No.
4.500	10.5# 11.6#	4.052 4.000	7148'	From 6826' To 6933'	#2
Tbg. Size	**Wt.**	**d**	**Set At**	**Perforations:**	**Unit Sec. Twp. Rge.**
2.375	4.7#	1.995	6909	From --- To -	G 11-T30N-R11W

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Single	----	San Juan

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tbg			12.2	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.700						

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI						1389		1462		
1.	2"	X 3/4"				18		314		1 hr
2.						18		339		2 hrs
3.						13		225		3 hrs
4.										
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		25.2	1.0000	.9258	1.0000	285
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

DEC 27 1977
OIL CON. COM.
DIST. 3

P_c 1474.2 P_c^2 2,173,266

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		237.2	56,264	2,117,002
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0266$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0199$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 294$

Absolute Open Flow 294 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: _____

Approved By Commission	Conducted By:	Calculated By:	Checked By:
	Jim Choquette	James Smith	